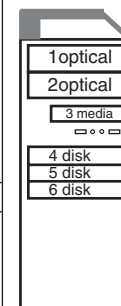


Type-model	Processor	Memory (MHz/type)	Memory DIMMs	Discrete	Onboard	Pre-conf RAID	Hard drive(s)	Media reader	SATA optical	Graphics adapter(s)	1394 adptr	Chassis		
				SATA/SAS adapter	SATA/SAS -SCU							intrusion switch	Win7 preload	
0606-11U	E5-1620	1600MHz RDIMM	2x2GB	No	SATA		1x2TB 3.5" SATA	Media	DVD±RW	1xQuadro 2000		Global	No	Pro 64
0606-12U	E5-1650	1600MHz RDIMM	2x2GB	No	SATA		1x2TB 3.5" SATA	Media	DVD±RW	1xQuadro 2000		Global	No	Pro 64
0606-13U	E5-1650	1600MHz RDIMM	2x4GB	No	SATA		1x2TB 3.5" SATA	Media	DVD±RW	1xQuadro 2000		Global	No	Pro 64
0606-14U	E5-2620	1333MHz UDIMM	1x4GB	No	SATA		1x500GB 3.5" SATA	Media	DVD±RW	1xQuadro 600		Global	No	Pro 64
0606-15U	E5-2620	1333MHz UDIMM	1x4GB	No	SAS		1x300GB 2.5" SAS	Media	DVD±RW	1xQuadro 600		Global	No	Pro 64
0606-16U	E5-1620	1333MHz UDIMM	4x2GB	No	SATA		1x1TB 3.5" SATA	Media	DVD±RW	1xQuadro 2000		Global	No	Pro 64
0606-17U	E5-1620	1333MHz UDIMM	2x4GB	No	SATA	1	2x500GB 3.5" SATA	Media	DVD±RW	1xQuadro 400		Global	No	Pro 64
0606-18U	E5-1620	1333MHz UDIMM	3x4GB	No	SATA	1	2x500GB 3.5" SATA	Media	DVD±RW	1xQuadro 600	1394	Global	No	Pro 64

- Part of the Global Models Plus (GMP) program with limited onsite service 3-year limited warranty

Processor	Intel® Xeon® E5-1620 processor (4C/8T, 3.6GHz, 10MB), Turbo Boost 2.0 (up to 3.8GHz), 4-channel capable DDR3 memory controller (up to 1600MHz) Intel Xeon E5-1650 processor (6C/12T, 3.2GHz, 10MB), Turbo Boost 2.0 (up to 3.8GHz), 4-channel capable DDR3 memory controller (up to 1600MHz) Intel Xeon E5-2620 processor (6C/12T, 2.0GHz, 15MB, 7.2 GT/s QPI x2), Turbo Boost 2.0 (up to 2.5GHz), 4-channel capable DDR3 memory controller (up to 1333MHz)												
Implementation	One LGA2011 socket, supports up to one processor												
Memory	UDIMM or RDIMM, ECC, DDR3, 4-channel capable, eight 240-pin DIMM sockets UDIMM: up to PC3-10600 1333MHz, 64GB max (8x8GB) RDIMM: up to PC3-12800 1600MHz, 128GB max (8x16GB) • Actual memory operating speed depends on processor memory controller speed, installed memory speed, and quantity of memory DIMMs • Mixing of RDIMM and UDIMM is not supported												
Additional memory disclaimers													
Graphics	Supports up to NVIDIA® Quadro® 5000 (see accessories sheet O-FOR) Some: NVIDIA Quadro 400 , PCIe x16 adapter, 512MB, one DisplayPort™, one dual-link DVI-I, 32W Some: NVIDIA Quadro 600 , PCIe x16 adapter, 1GB, one DisplayPort, one dual-link DVI-I, 40W Some: NVIDIA Quadro 2000 , PCIe x16 adapter, 1GB, two DisplayPort, one dual-link DVI-I, 62W												
Media reader	Media: 25-in-1 Media card reader, internal USB 2.0												
Optical	Super Multi-Burner DL DVD±RW SATA 1.5Gb/s Drive												
Hard drive(s)	3.5" SATA: SATA 6.0Gb/s, 7200 rpm 2.5" SATA: SATA 6.0Gb/s, 10000 rpm 2.5" SAS: SAS 6.0Gb/s, 15000 rpm 2.5" SSD: Solid State Drive (SSD), SATA 6.0Gb/s												
Onboard SATA - AHCI	Four SATA Advanced Host Controller Interface (AHCI) connectors for opticals and hard drives, two SATA 6.0Gb/s connectors (red), two SATA 3.0Gb/s connectors (orange), RAID 0, 1 support via Intel C602 chipset												
Onboard SATA/SAS - SCU	Three SATA or SAS Storage Controller Unit (SCU) connectors (blue) for hard drives SATA: Three SATA connectors for hard drives, SATA 3.0Gb/s, RAID 0, 1, 5 support via Intel C602 chipset SAS: Three SATA/SAS ⁴ connectors for hard drives, SATA 3.0Gb/s, SAS 3.0Gb/s, RAID 0, 1 support via Intel C602 chipset and SAS HDD Enablement Module (Upgrade ROM #1)												
Discrete SATA/SAS adapter	9240: LSI® SAS 9240-8i, PCI Express® bus, SATA 6.0Gb/s, SAS 6.0Gb/s, RAID 0, 1, 5 support												
Chipset	Intel C602 Chipset												
Front ports	Two USB 2.0, microphone (3.5mm), headphone (3.5mm)												
Rear ports	Eight USB 2.0, two USB 3.0 (blue ports), one serial (9-pin), one ethernet (RJ-45), three analog audio ports (line-in, line-out, mic-in) 16U: PS/2 keyboard and mouse connectors via PS/2 rear I/O cable No onboard 1394 ports; 1394 models: additional FireWire PCIe adapter, 1394a-2000, 400Mbps, two 6-pin ports on rear												
IEEE 1394 adptr													
Audio	High Definition (HD) Audio, Realtek® ALC662 codec												
Speaker	Internal speaker for business audio												
Ethernet	One onboard gigabit ethernet, Intel 82579												
Security chip	STMicroelectronics ST19WP18 Trusted Platform Module (TPM), TCG 1.2-compliant												
Keyboard	Preferred Pro USB Keyboard (USB connector), 104-key, black												
Mouse	Optical Wheel Mouse (USB connector), black												
Power supply	610 watts with 120mm bottom-mounted variable speed fan, universal, Climate Savers® Computing Gold, 80 PLUS® Gold qualified												
Limited Warranty	3-year parts and labor, more ThinkPlus® services see S-TS sheet												

Tower



- Raven black color; metal case
- 6.9"W x 18.1"D x 18.8"H (with handle)
- 175mm W x 460mm D x 478mm H
- 38.5 lb (17.5kg) max configuration
- 31-liter
- Removable handle on top front
- Toolless side cover removal
- Toolless disk and optical drive removal
- Toolless adapter retention
- Illuminated front icons
- Rack shelf support

Bay 1-2:	5.25", 1.6" high,	external,	for optical
Bay 3:	3.5", 1" high,	external,	for media reader
Bay 4-6:	3.5", 1" high,	internal,	for disk

Slot 1: full-length, full-height, PCIe 3.0 x16* (near CPU)
 Slot 2: full-length, full-height, PCIe 3.0 x16 (x4 electrical)
 Slot 3: full-length, full-height, PCIe 3.0 x16*
 Slot 4: full-length, full-height, 32-bit PCI 2.3
 Slot 5: half-length, full-height, PCIe 2.0 x4

* Adapters >75W use auxiliary power connector(s) from PSU

SECURITY

- Security chip (see information on left)
- Side cover lock (ships with two identical keys)
- Padlock loop (in rear for opt padlock; padlock prohibits side cover removal)
- Security slot (in rear for optional Kensington® Microsaver® cable; prohibits side cover removal)
- Power-on password
- Administrator password
- Boot sequence control
- Boot without keyboard, mouse, diskette
- Serial port I/O enable/disable
- USB 2.0 ports enable/disable individually
- USB 3.0 ports enable/disable concurrently
- Chassis intrusion switch on selected model(s)

Preloaded operating system²⁰

- Genuine Windows® 7 Professional 64
- **Preloaded applications⁵** (only some listed)
- Rescue and Recovery®
- Norton® Internet Security (30 days of virus definitions)
- Adobe® Reader®
- Adobe Flash® Player
- Microsoft® Office 2010 preloaded; purchase product key to activate
- Corel® WinDVD® (DVD±RW model(s))
- Ulead® DVD MovieFactory® (DVD±RW model(s))

ISV certifications

Please visit www.lenovo.com/support/ISV

GREENGUARD® certified
 RoHS-compliant
 EPEAT™ Gold rating

Supports ThinkVantage® technologies

More compatible accessories, please see O-FOR sheet